# AUSTRALIAN PATENT OFFICE SEARCH REPORT

Applicant's or agent's file reference				
MH/EK(FM)/6002111SGC				La rania na
Application No.			Application Filing Date (day/month/year)	(Earliest) Priority Date (day/month/year)
SG 200302787-7			13 May 2003	27 March 2003
Applica I	nt MICROSOFT CORPOR	RATION	1	
This sear	ch report consists of a total of	of 4 sheets	5.	
[2	It is also accompanied b	y a copy o	of each prior art document cited in this report.	
i. [	Certain claims were fo	and unser	archable (See Box I)	
2.	. Unity of invention is la	cking (Se	e Box II)	
3.	The application contains of the sequence listing	s disclosur	re of a nucleotide and/or amino acid sequence lis	ting and the search was carried out on the basis
	filed with the appl	ication		
	furnished by the a	pplicant se	eparately from the application,	•
	but not accordant filed	mpanied b	by a statement to the effect that it did not include m	natter going beyond the disclosure in application
4. W	ith regard to the title,	X t	he text is approved as submitted by the applicant.	
			he text has been established by this Office to read	as follows:
		_		Mark to the Market
5. W	ith regard to the abstract,	X ti	he text is approved as submitted by the applicant	
		t1	he text has been established by this Office as it app	ears in Box III
6. Tì	ne figure of the drawings to	be publish	ed with the abstract is Figure No. 2	
		X as	s suggested by the applicant.	
		☐ b	ecause the applicant failed to suggest a figure	
		b	ecause this figure better characterises the invention	1

#### SEARCH REPORT

Application No. SG 200302787-7

CLASSIFICATION OF SURJECT MATTER

According to International Patent Classification (IPC)

Int. Cl. 7 G06T 11/00, G06F 9/44

FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the search (name of data base and, where practicable, search terms used)

DWPI, PCT, USPTO, IEEE, internet (scene graph, API, etc.)

#### DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x, o	OpenSG Starter Guide 1.2.0, 19 March 2003 <a href="http://www.opensg.org/downloads/OpenSG-1.2.0-DevStarter.pdf">http://www.opensg.org/downloads/OpenSG-1.2.0-DevStarter.pdf</a>	1-78
x, o	RM Scene Graph Technical White Paper, December 1999 <a href="http://www.r3vis.com/Downloads/rmwhite-1999.pdf">http://www.r3vis.com/Downloads/rmwhite-1999.pdf</a>	1-78
. x	I. Rohlf et al, IRIS Performer: A High Performance Multiprocessing Toolkit for Real- Time 3D Graphics     Computer Graphics (Proc. ACM Siggraph 94), pp 381-94, August 1994 <a href="https://www.cs.virginia.edu/~gft/Courses/2002/BigData/papers/Interfaces and Software Systems/RIS Performer, pdf">https://www.cs.virginia.edu/~gft/Courses/2002/BigData/papers/Interfaces and Software Systems/RIS Performer, pdf"&gt;https://www.cs.virginia.edu/~gft/Courses/2002/BigData/papers/Interfaces and Software Systems/RIS Performer, pdf"&gt;https://www.cs.virginia.edu/~gft/Courses/2002/BigData/papers/Interfaces and Software Systems/RIS Performer, pdf</a>	1-78

X Further documents are listed in the continuation of Box C

See patent family annex

- Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance
  - earlier application or patent but published on or after the international filing date
- document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special
- reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means
- document published prior to the international filing

date but later than the priority date claimed

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be

considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of submission of the request to the Date of completion of the search report Date of mailing of the search report Australian Patent Office 2 1 JAN 2005 25 October 2004 12 January 2005

Name and mailing address AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au

Authorised officer

MATTHEW HOLLINGWORTH

Facsimile No. 61 2 62853929

SG 200302787-7

Application No.

SEARCH REPORT

C (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
Х	H. A. Sowizzal et al, <i>The Java 3D API and Virtual Reality</i> IEEE Computer Graphics and Applications, Vol. 19, No. 5, pp. 53-8, 1999	1-78		
x	WO 2001/022370 A1 (SUN MICROSYSTEMS, INC.), 29 March 2001 the whole document	1-78		
A	US 2003/0132937 A1 (SCHNEIDER et al), 17 July 2003 the whole document	1-78		

SEARCH REPORT

PATENT FAMILY MEMBERS

Application No. SG 200302787-7

	Document Cited in Search Report			Pate	nt Family Member		
wo	0122370	AU	78315/00	EP	1224622	US	6570564
		US	2001030647	US	2002060678	US	2002063704
		US	2002063713	US	2002089508		
US	2003132937	EP	1304655	JР	2003162733		

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX

## WRITTEN OPINION

		Date of mailing day/month/year 2 1 JAN 2005			
Applicant's or agent's file reference		REPLY DUE within FIVE MONTHS of the date of the Registrar's letter enclosing the written opinion			
MH/EK(FM)/6002111SGC	_				
Application No.	Application Filing D	nte (day/month/year) Priority Date (day/month/year)			
SG 200302787-7	13 May 2003	27 March 2003			
International Patent Classification (IPC) (as	indicated in the search	report)			
Int. Cl. 7 . G06T 11/00, G06F 9/44					
Applicant					
MICROSOFT CORPORATION					
This First written opinion consists of a	a total of 4 sheets.		×		
This opinion contains indications relatir	ng to the following iter	me:			
•	ig to the following iten				
I X Basis of the opinion					
ll Non-establishment of op	inion with regard to no	velty, inventive step at	nd industrial applicability		
III Lack of unity of invention	n				
	IV Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
V Certain documents cited					
VI Certain defects in the app	olication		1/2 : 10 : 10 : 11		
VII X Certain observations on t	he application				
3. This opinion is based upon the assumption that the priority claim is valid.					
4. The search report used was issued by the Australian Patent Office, and the date of completion is: 12 January 2005					
5. If no reply is filed, the examination report will be established on the basis of this opinion.					
6. The date by which the examination report will be established is: 27 June 2007					
Name and mailing address Authorized Officer					
AUSTRALIAN PATENT OFFICE					
PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pet@ipaustralia.gov.au					
Facsimile no. 61 2 62853929	LINGWORTH				

Application No.
SG 200302787-7

w	WRITTEN OPINION SG 200302787-7						
I.	. Basis of the opinion						
ı.	. This opinion has been drawn on the basis of:						
	The application as originally filed.						
	the description,	pages , as originally filed, pages , filed with the request,					
		pages , received on with the letter of					
	the claims,	pages , as originally filed,					
		pages , filed with the request,					
		pages , received on with the letter of					
	the drawings,	sheets/fig. , as originally filed,					
		sheets/fig. , filed with the request,					
		sheets/fig. , received on with the letters of					
	the sequence list	ing part of the description:					
•		pages , as originally filed					
		pages , filed with the demand					
		pages , received on with the letter of					
2.	The amendments have	resulted in the cancellation of: pages:					
3	This opinion has go beyond the di	sheets of drawings/figures No been established as if (some of) the amendments had not been ma sclosure as filed, as indicated in the Supplemental Box.					
١.	Additional observation	a, if necessary:					
			•				

WRITTEN OPINION

Application No. SG 200302787-7

NO

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanation supporting such statement     Statement				
		Claims 1, 46, 70	NO	
	Inventive step (IS)	Claims	YES	
		Claims 1-78	NO	
	Industrial applicability (IA)	Ciaims 1-78	YES	

#### 2. Citations and explanations

- D1: OpenSG Starter Guide 1.2.0, 19 March 2003
- D2: RM Scene Graph Technical White Paper, December 1999

Claims

- D3: J. Rohlf et al, IRIS Performer: A High Performance Multiprocessing Toolkit for Real-Time 3D Graphics, August 1994
- D4: H. A. Sowizzal et al, The Java 3D API and Virtual Reality, 1999
- D5: WO 2001/022370 A1 (SUN MICROSYSTEMS, INC.), 29 March 2001

#### NOVELTY (N) claims 1, 46, 70

Claims 1, 46 and 70, at least: These claims lack novelty when compared to each of documents D1 and D2, taken individually.

#### INVENTIVE STEP (IS) claims 1-78

Claims 1-78: Prima facie, the features of these claims lack inventive step in light of any of the listed citations.

# AUSTRALIAN PATENT OFFICE Application No. SG 200302787-7 WRITTEN OPINION VII. Certain observations on the application The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made: X The claimed invention is patentable according to Section 13(2); or

The claimed invention is unpatentable according to Section 13(2) because: